ABSTRACT

In an color CRT, an electron gun for the color CRT includes a triode unit for generating three electron beams and controlling and accelerating the generated electron beams; a main focusing lens unit that focuses the electron beams generated by the triode unit; a first electrostatic screen grid installed in the main focusing lens unit having three electron beam through holes linearly-arranged for passing the three electron beams and two of the holes are external holes, and the first grid having a first oval shaped hole that passes all three electron beams, the first oval shaped hole spaced a distance d1 from the through holes; and a second electrostatic screen grid installed in the main focusing lens unit having three electron beam through holes linearly-arranged for passing the three electron beams and two of the holes are external holes, and the second grid having a second oval shaped hole that passes all three electron beams, the second oval shaped hole spaced a distance d2 from the through holes; wherein the first grid external holes have an external distance HL1 and an internal distance HR1 and the second grid external holes have an external distance HL2 and an internal distance HR2; and wherein HL1 is greater than HR1, HL2 is greater than HR2, d1 is greater than d2, HL2 is greater than HL1, and HL2+HR2 is greater than HL1+HR1.